

INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2005/000827

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 A23K1/16 A23K1/00 C12N9/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C12N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, BIOSIS, FSTA, CHEM ABS Data, EMBASE

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	WO 98/54980 A (HARZ HANS PETER ; BARENDSE RUDOLF CAROLUS MARIA (NL); GIST BROCADES NV) 10 December 1998 (1998-12-10) cited in the application	1-31
X	see references to phytase on bottom page 13 and process description page 4 and 6-10, animal feed compositions comprising the enzyme granulate the whole document	26
Y	WO 98/28408 A (NOVO NORDISK A/S) 2 July 1998 (1998-07-02)	1-31
X	in particular the compositions comprising the phytase (see claims 10-15)	26
	-/-	



Further documents are listed in the continuation of box C.



Patent family members are listed in annex.

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Date of the actual completion of the International search

19 April 2005

Date of mailing of the International search report

29/04/2005

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International Application No.

PCT/EP2005/000827

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 2002/034798 A1 (BARENDSE RUDOLF CAROLUS MARIA ET AL) 21 March 2002 (2002-03-21) in particular page 4 left column and page 5 left col. second paragraph and page 5 right col. first par. -----	1-9
Y	MARRS W M: "RHEOLOGY AS AN INDICATOR OF FUNCTIONALITY" WORLD OF INGREDIENTS, C&S PUBLISHERS, ARNHEM, NL, February 1996 (1996-02), pages 38-40, XP009028458 ISSN: 1380-491X the whole document -----	1-31
Y	WO 03/040398 A (ALAVATTAM SREEDHARA ; BATTELLE MEMORIAL INSTITUTE (US); BRODY RICHARD) 15 May 2003 (2003-05-15) see page 6 line 3-9, pages 9-11, Table 1-6 page 14, claim 1, 3 and 6 -----	1-31
Y	US 6 610 519 B1 (HENRIKSEN LOTTE RUGHOLM ET AL) 26 August 2003 (2003-08-26) See phytase granulates in examples 3-6 and claims 1-6 -----	1-31
Y	EP 0 897 985 A (F.HOFFMANN-LA ROCHE AG; DSM IP ASSETS B.V) 24 February 1999 (1999-02-24) see claim 10 and page 6 (lines 16-28) for the feed composition comprising a consensus phytase protein -----	1-10
A	EP 0 257 996 A (SUOMEN SOKERI OY) 2 March 1988 (1988-03-02) the whole document -----	1-10

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/000827

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
WO 9854980	A	10-12-1998	AT 266721 T	15-05-2004
			AU 740970 B2	15-11-2001
			AU 8435798 A	21-12-1998
			AU 741828 B2	13-12-2001
			AU 8435898 A	21-12-1998
			BR 9809915 A	20-03-2001
			BR 9809919 A	03-10-2000
			CA 2292953 A1	10-12-1998
			CA 2292955 A1	10-12-1998
			CN 1268029 A	27-09-2000
			CN 1263438 A	16-08-2000
			DE 69823820 D1	17-06-2004
			DE 69823820 T2	07-10-2004
			DK 990026 T3	20-09-2004
			WO 9854980 A2	10-12-1998
			WO 9855599 A2	10-12-1998
			EP 1457560 A1	15-09-2004
			EP 0986313 A2	22-03-2000
			EP 0990026 A2	05-04-2000
			ES 2221181 T3	16-12-2004
			GB 2340834 A ,B	01-03-2000
			GB 2341077 A ,B	08-03-2000
			HK 1022718 A1	22-02-2002
			HK 1022606 A1	22-02-2002
			HU 0002899 A2	29-01-2001
			ID 24680 A	27-07-2000
			ID 24116 A	06-07-2000
			JP 2002502254 T	22-01-2002
			JP 2002502255 T	22-01-2002
			NO 995993 A	06-12-1999
			NO 995994 A	06-12-1999
			NZ 501408 A	01-02-2002
			NZ 501409 A	01-02-2002
			PL 337457 A1	14-08-2000
			PL 337464 A1	14-08-2000
			PT 990026 T	31-08-2004
			SK 167699 A3	12-09-2000
			SK 167899 A3	12-09-2000
			TR 9903010 T2	21-03-2000
			TR 9903015 T2	22-05-2000
			TW 409035 B	21-10-2000
			US 2002034798 A1	21-03-2002
			US 6500426 B1	31-12-2002
			US 2003049811 A1	13-03-2003
			US 2005054065 A1	10-03-2005
			ZA 9804834 A	04-01-1999
			ZA 9804835 A	04-01-1999
			HU 0002767 A2	28-12-2000
WO 9828408	A	02-07-1998	AT 195140 T	15-08-2000
			AU 5309698 A	17-07-1998
			AU 7873498 A	17-07-1998
			CA 2265471 A1	02-07-1998
			CN 1240477 A	05-01-2000
			CN 1234070 A	03-11-1999
			DE 69702720 D1	07-09-2000
			DE 69702720 T2	05-04-2001
			WO 9828408 A1	02-07-1998

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/000827

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9828408	A	WO 9828409 A1	02-07-1998
		EP 0958353 A1	24-11-1999
		EP 0948606 A1	13-10-1999
		ES 2150795 T3	01-12-2000
		JP 3504672 B2	08-03-2004
		JP 2000512856 T	03-10-2000
		JP 2001506503 T	22-05-2001
		PT 948606 T	31-01-2001
		US 6054306 A	25-04-2000
		US 6569659 B1	27-05-2003
		US 6060298 A	09-05-2000
		US 6039942 A	21-03-2000
		US 2003064497 A1	03-04-2003
US 2002034798	A1	US 2005054065 A1	10-03-2005
		AT 266721 T	15-05-2004
		AU 740970 B2	15-11-2001
		AU 8435798 A	21-12-1998
		AU 741828 B2	13-12-2001
		AU 8435898 A	21-12-1998
		BR 9809915 A	20-03-2001
		BR 9809919 A	03-10-2000
		CA 2292953 A1	10-12-1998
		CA 2292955 A1	10-12-1998
		CN 1268029 A	27-09-2000
		CN 1263438 A	16-08-2000
		DE 69823820 D1	17-06-2004
		DE 69823820 T2	07-10-2004
		DK 990026 T3	20-09-2004
		WO 9854980 A2	10-12-1998
		WO 9855599 A2	10-12-1998
		EP 1457560 A1	15-09-2004
		EP 0986313 A2	22-03-2000
		EP 0990026 A2	05-04-2000
		ES 2221181 T3	16-12-2004
		GB 2340834 A ,B	01-03-2000
		GB 2341077 A ,B	08-03-2000
		HK 1022718 A1	22-02-2002
		HK 1022606 A1	22-02-2002
		HU 0002899 A2	29-01-2001
		ID 24680 A	27-07-2000
		ID 24116 A	06-07-2000
		JP 2002502254 T	22-01-2002
		JP 2002502255 T	22-01-2002
		NO 995993 A	06-12-1999
		NO 995994 A	06-12-1999
		NZ 501408 A	01-02-2002
		NZ 501409 A	01-02-2002
		PL 337457 A1	14-08-2000
		PL 337464 A1	14-08-2000
		PT 990026 T	31-08-2004
		SK 167699 A3	12-09-2000
		SK 167899 A3	12-09-2000
		TR 9903010 T2	21-03-2000
		TR 9903015 T2	22-05-2000
		TW 409035 B	21-10-2000
		US 6500426 B1	31-12-2002
		US 2003049811 A1	13-03-2003

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2005/000827

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 2002034798 A1		ZA 9804834 A	04-01-1999
		ZA 9804835 A	04-01-1999
		HU 0002767 A2	28-12-2000
WO 03040398 A	15-05-2003	US 2003103933 A1	05-06-2003
		CA 2465248 A1	15-05-2003
		WO 03040398 A2	15-05-2003
		US 2004247684 A1	09-12-2004
US 6610519 B1	26-08-2003	US 2004106182 A1	03-06-2004
		AT 238415 T	15-05-2003
		AU 761363 B2	05-06-2003
		AU 5850599 A	26-04-2000
		BR 9914217 A	03-07-2001
		CA 2341484 A1	13-04-2000
		CN 1320161 A	31-10-2001
		DE 69907240 D1	28-05-2003
		DE 69907240 T2	27-11-2003
		WO 0020569 A1	13-04-2000
		DK 1117771 T3	16-06-2003
		EP 1117771 A1	25-07-2001
		JP 2002526106 T	20-08-2002
EP 0897985 A	24-02-1999	EP 0897985 A2	24-02-1999
		DK 897985 T3	17-01-2005
		EP 1403377 A1	31-03-2004
		BR 9802576 A	20-03-2001
		CA 2238613 A1	24-01-1999
		CN 1208768 A ,C	24-02-1999
		CN 1526815 A	08-09-2004
		DE 69826944 D1	18-11-2004
		DE 69826944 T2	10-03-2005
		JP 11146791 A	02-06-1999
		NO 983364 A	25-01-1999
		NZ 330940 A	28-02-2000
		TW 577921 B	01-03-2004
		US 6153418 A	28-11-2000
		US 2003190677 A1	09-10-2003
		US 6579975 B1	17-06-2003
EP 0257996 A	02-03-1988	FI 863393 A	23-02-1988
		AT 123208 T	15-06-1995
		CA 1335544 C	16-05-1995
		DE 3751325 D1	06-07-1995
		DE 3751325 T2	19-10-1995
		DK 431787 A	23-02-1988
		EP 0257996 A2	02-03-1988
		ES 2074979 T3	01-10-1995
		FI 870752 A ,B,	24-08-1988
		JP 63157938 A	30-06-1988
		NO 873537 A ,B,	23-02-1988